

IN THE CLAIMS

Applicants do not seek the entry of any amendments to the claims of this application in this communication. Therefore, pursuant to the Rules, the claims of this application as they presently stand including appropriate status identifiers are set forth below.

Claims 1-23 stand canceled, without prejudice.

24. (Presently presented) A liquid crystal display device having:

- a display panel in which are formed at least a plurality of column lines arranged in parallel to one another, a plurality of row lines arranged in parallel to one another in a direction in which the row lines intersect the column lines, and pixels provided corresponding to intersecting points of the column lines and the row lines;
- a column line driver for supplying a data signal to the column lines; and
- a row line driver for supplying a select signal to the row lines, wherein the liquid crystal display device comprises:
 - a display control section for supplying an image signal and a control signal to the column line driver, while supplying a control signal to the row driver, thereby controlling image display operation to the display panel;
- black display signal generating means for generating a black display signal for displaying a black image at the pixels; and
- a selector switch provided in the column line driver for switchedly selecting when in operation alternately between a data signal based on an image signal derived from the display control section and a black display signal derived from the black display signal generating means, wherein

the display control section selectively outputs a control signal for a first display mode or a control signal for a second display mode, such that in the first display mode, the selector switch is in operation and the control signal for making the row lines sequentially selected is supplied to the row line driver, where the select signal is supplied to the n th (n : a positive integer) row line while the data signal is selected by the selector switch, and where the select signal is supplied to at least one of the row lines other than the n th row line while the black display signal is selected by the selector switch, and such that in the second display mode, the selector switch is not in operation and a black display signal supply operation is not performed.

25. (Previously Presented) The liquid crystal display device according to claim 24, wherein the row lines are divided into L (where L is a positive integer) blocks on an m -line (m : a positive integer) basis; and the row line driver comprises L partial row line drivers for supplying a select signal to row lines of each block.

26. (Previously Presented) The liquid crystal display device according to claim 24, wherein the control signal from the display control section to the column line driver includes a switching control signal for controlling switching operation performed by the selector switch; and the switching control signal makes the select time of the data signal longer than the select time of the black signal display.

27. (Previously Presented) The liquid crystal display device according to claim 24, wherein the control signal from the display control section to the column line driver includes a switching control signal for controlling the switching operation performed by the selector switch; and the switching control signal makes the select time of the data signal and the select time of the black display signal equal to each other.

28. (Previously Presented) The liquid crystal display device according to claim 24, wherein the control signal from the display control section to the row line driver includes a discriminant signal for discriminating whether it is a black display signal supply period during which the black signal is supplied; and based on the discriminant signal, the row line drive supplies the select signal to the $(n+m)$ th to $(n+m+k-1)$ th row lines (m, k : a positive integer) during the black display signal supply period.

29. (Previously Presented) The liquid crystal display device according to claim 28, wherein the control signal from the display control section to the row line driver includes a scan start signal, and wherein the row line driver comprises:
a shift register having a plurality of latch circuits;
and
scan start signal supplying means for supplying the scan start signal to the first latch circuit of the shift register during a data signal supply period, and also supplying the scan start signal to continuous k latch circuits starting from the m th latch circuit of the shift register during a black display signal supply period.

30. (Previously Presented) The liquid crystal display device according to claim 29, wherein
the scan start signal supplying means is enabled to change the latch circuit number “m”
and the number of latch circuits “k” for the black display signal supply period.

31. (Previously Presented) The liquid crystal display device according to claim 30, further
comprising:
supply control means for controlling the operation of the scan start signal supplying
means, and
the supply control means outputs a control signal for setting the latch circuit number “m”
to the scan start signal supplying means based on a scan-start-position
designating signal from external.

32. (Previously Presented) The liquid crystal display device according to
claim 24, further comprising:
a signal-use reference power supply for setting a voltage
of a data signal supplied from the column line driver,
wherein
the voltage of the signal-use reference power supply is
changeable between the first display mode and the
second display mode.

33. (Previously Presented) The liquid crystal display device according to claim 24, further comprising:

motion picture/still picture discriminating means for monitoring data of the same position on a screen based on an image signal derived from the display control section, thereby discriminating whether a picture based on the image signal is a motion picture or a still picture, and
outputting a command signal representing a result of the discrimination to the display control section, wherein,
the display control section selectively outputs the control signal for the first display mode or the control signal for the second display mode in response to the command signal.

34. (Previously Presented) The liquid crystal display device according to claim 24, further comprising:

a backlight for illuminating the display panel from its rear side; and
backlight adjusting means for switching brightness of the backlight between the first display mode and the second display mode according to the command signal.

35. (Previously Presented) The liquid crystal display device according to claim 24, wherein
the black display signal generating means is a black display signal use power supply, and
the voltage of the black display signal use power supply is changeable.